

#9



PCT09

## RAW SEQUENCE LISTING

DATE: 05/15/2002

PATENT APPLICATION: US/09/979,546A

TIME: 07:30:02

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Output Set: N:\CRF3\05152002\I979546A.raw

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3 <110> APPLICANT: ITOH, YASUAKI
4     MOGI, SHINICHI
5     TANAKA, HIDEYUKI
6     OHKUBO, SHOICHI
7     OGI, KAZUHIRO
9 <120> TITLE OF INVENTION: NOVEL POLYPEPTIDE
11 <130> FILE REFERENCE: 46342/56686
13 <140> CURRENT APPLICATION NUMBER: 09/979,546A
14 <141> CURRENT FILING DATE: 2001-11-20
16 <150> PRIOR APPLICATION NUMBER: PCT/JP00/03221
17 <151> PRIOR FILING DATE: 2000-05-19
19 <150> PRIOR APPLICATION NUMBER: JP 11-140229
20 <151> PRIOR FILING DATE: 1999-05-20
22 <160> NUMBER OF SEQ ID NOS: 71
24 <170> SOFTWARE: PatentIn Ver. 2.1
26 <210> SEQ ID NO: 1
27 <211> LENGTH: 125
28 <212> TYPE: PRT
29 <213> ORGANISM: Homo sapiens
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33   1             5             10             15
35 Gly Arg Ala Phe Ala Arg Ala Leu Arg Gln Glu Phe Ala Ala Ser Arg
36             20             25             30
38 Ala Ala Ala Asp Ala Arg Gly Arg Ala Gly His Arg Ser Ala Ala Ala
39             35             40             45
41 Ser Asn Leu Ser Gly Leu Ser Leu Gln Glu Ala Gln Gln Ile Leu Asn
42             50             55             60
44 Val Ser Lys Leu Ser Pro Glu Glu Val Gln Lys Asn Tyr Glu His Leu
45   65             70             75             80
47 Phe Lys Val Asn Asp Lys Ser Val Gly Gly Ser Phe Tyr Leu Gln Ser
48             85             90             95
50 Lys Val Val Arg Ala Lys Glu Arg Leu Asp Glu Glu Leu Lys Ile Gln
51             100            105            110
53 Ala Gln Glu Asp Arg Glu Lys Gly Gln Met Pro His Thr
54             115            120            125
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58 <211> LENGTH: 121
59 <212> TYPE: PRT
60 <213> ORGANISM: Homo sapiens
62 <400> SEQUENCE: 2
63 Met His Arg Ser Glu Pro Phe Leu Lys Met Ser Leu Leu Ile Leu Leu
64   1             5             10             15

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66 Phe Leu Gly Leu Ala Glu Ala Cys Thr Pro Arg Glu Val Asn Leu Leu
67          20                      25                      30
69 Lys Gly Ile Ile Gly Leu Met Ser Arg Leu Ser Pro Asp Glu Ile Leu
70          35                      40                      45
72 Gly Leu Leu Ser Leu Gln Val Leu His Glu Glu Thr Ser Gly Cys Lys
73          50                      55                      60
75 Glu Glu Val Lys Pro Phe Ser Gly Thr Thr Pro Ser Arg Lys Pro Leu
76 65                      70                      75                      80
78 Pro Lys Arg Lys Asn Thr Trp Asn Phe Leu Lys Cys Ala Tyr Met Val
79          85                      90                      95
81 Met Thr Tyr Leu Phe Val Ser Tyr Asn Lys Gly Asp Trp Phe Thr Phe
82          100                     105                     110
84 Ser Ser Gln Val Leu Leu Pro Leu Leu
85          115                     120
88 <210> SEQ ID NO: 3
89 <211> LENGTH: 223
90 <212> TYPE: PRT
91 <213> ORGANISM: Homo sapiens
93 <400> SEQUENCE: 3
94 Met Lys Phe Val Pro Cys Leu Leu Leu Val Thr Leu Ser Cys Leu Gly
95 1          5                      10                      15
97 Thr Leu Gly Gln Ala Pro Arg Gln Lys Gln Gly Ser Thr Gly Glu Glu
98          20                      25                      30
100 Phe His Phe Gln Thr Gly Gly Arg Asp Ser Cys Thr Met Arg Pro Ser
101          35                      40                      45
103 Ser Leu Gly Gln Gly Ala Gly Glu Val Trp Leu Arg Val Asp Cys Arg
104          50                      55                      60
106 Asn Thr Asp Gln Thr Tyr Trp Cys Glu Tyr Arg Gly Gln Pro Ser Met
107 65                      70                      75                      80
109 Cys Gln Ala Phe Ala Ala Asp Pro Lys Ser Tyr Trp Asn Gln Ala Leu
110          85                      90                      95
112 Gln Glu Leu Arg Arg Leu His His Ala Cys Gln Gly Ala Pro Val Leu
113          100                     105                     110
115 Arg Pro Ser Val Cys Arg Glu Ala Gly Pro Gln Ala His Met Gln Gln
116          115                     120                     125
118 Val Thr Ser Ser Leu Lys Gly Ser Pro Glu Pro Asn Gln Gln Pro Glu
119          130                     135                     140
121 Ala Gly Thr Pro Ser Leu Ser Pro Lys Ala Thr Val Lys Leu Thr Gly
122 145                     150                     155                     160
124 Ala Thr Gln Leu Gly Lys Asp Ser Met Glu Glu Leu Gly Lys Ala Lys
125          165                     170                     175
127 Pro Thr Thr Gly Pro Thr Ala Lys Pro Thr Gln Pro Gly Pro Arg Pro
128          180                     185                     190
130 Gly Gly Asn Glu Glu Ala Lys Lys Lys Ala Trp Glu His Cys Trp Lys
131          195                     200                     205
133 Pro Phe Gln Ala Leu Cys Ala Phe Leu Ile Ser Phe Phe Arg Gly
134          210                     215                     220
137 <210> SEQ ID NO: 4
138 <211> LENGTH: 248

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139 <212> TYPE: PRT
140 <213> ORGANISM: Homo sapiens
142 <400> SEQUENCE: 4
143 Met Gly Pro Val Arg Leu Gly Ile Leu Leu Phe Leu Phe Leu Ala Val
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146 His Glu Ala Trp Ala Gly Met Leu Lys Glu Glu Asp Asp Asp Thr Glu
147           20           25           30
149 Arg Leu Pro Ser Lys Cys Glu Val Cys Lys Leu Leu Ser Thr Glu Leu
150           35           40           45
152 Gln Ala Glu Leu Ser Arg Thr Gly Arg Ser Arg Glu Val Leu Glu Leu
153           50           55           60
155 Gly Gln Val Leu Asp Thr Gly Lys Arg Lys Arg His Val Pro Tyr Ser
156   65           70           75           80
158 Val Ser Glu Thr Arg Leu Glu Glu Ala Leu Glu Asn Leu Cys Glu Arg
159           85           90           95
161 Ile Leu Asp Tyr Ser Val His Ala Glu Arg Lys Gly Ser Leu Arg Tyr
162           100          105          110
164 Ala Lys Gly Gln Ser Gln Thr Met Ala Thr Leu Lys Gly Leu Val Gln
165           115          120          125
167 Lys Gly Val Lys Val Asp Leu Gly Ile Pro Leu Glu Leu Trp Asp Glu
168           130          135          140
170 Pro Ser Val Glu Val Thr Tyr Leu Lys Lys Gln Cys Glu Thr Met Leu
171 145           150          155          160
173 Glu Glu Phe Glu Asp Ile Val Gly Asp Trp Tyr Phe His His Gln Glu
174           165          170          175
176 Gln Pro Leu Gln Asn Phe Leu Cys Glu Gly His Val Leu Pro Ala Ala
177           180          185          190
179 Glu Thr Ala Cys Leu Gln Glu Thr Trp Thr Gly Lys Glu Ile Thr Asp
180           195          200          205
182 Gly Glu Glu Lys Thr Glu Gly Glu Glu Gln Glu Glu Glu Glu
183           210          215          220
185 Glu Glu Glu Glu Glu Gly Asp Lys Met Thr Lys Thr Gly Ser His
186 225           230          235          240
188 Pro Lys Leu Asp Arg Glu Asp Leu
189           245
192 <210> SEQ ID NO: 5
193 <211> LENGTH: 173
194 <212> TYPE: PRT
195 <213> ORGANISM: Homo sapiens
197 <400> SEQUENCE: 5
198 Met Phe Cys Pro Leu Lys Leu Ile Leu Leu Pro Val Leu Leu Asp Tyr
199   1           5           10           15
201 Ser Leu Gly Leu Asn Asp Leu Asn Val Ser Pro Pro Glu Leu Thr Val
202           20           25           30
204 His Val Gly Asp Ser Ala Leu Met Gly Cys Val Phe Gln Ser Thr Glu
205           35           40           45
207 Asp Lys Cys Ile Phe Lys Ile Asp Trp Thr Leu Ser Pro Gly Glu His
208           50           55           60
210 Ala Lys Asp Glu Tyr Val Leu Tyr Tyr Tyr Ser Asn Leu Ser Val Pro

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211 65 70 75 80
213 Ile Gly Arg Phe Gln Asn Arg Val His Leu Met Gly Asp Ile Leu Cys
214 85 90 95
216 Asn Asp Gly Ser Leu Leu Leu Gln Asp Val Gln Glu Ala Asp Gln Gly
217 100 105 110
219 Thr Tyr Ile Cys Glu Ile Arg Leu Lys Gly Glu Ser Gln Val Phe Lys
220 115 120 125
222 Lys Ala Val Val Leu His Val Leu Pro Glu Glu Pro Lys Glu Leu Met
223 130 135 140
225 Val His Val Gly Gly Leu Ile Gln Met Gly Cys Val Phe Gln Ser Thr
226 145 150 155 160
228 Glu Val Lys His Val Thr Lys Val Glu Trp Ile Phe Ser
229 165 170
232 <210> SEQ ID NO: 6
233 <211> LENGTH: 261
234 <212> TYPE: PRT
235 <213> ORGANISM: Homo sapiens
237 <400> SEQUENCE: 6
238 Met Glu Leu Leu Gln Val Thr Ile Leu Phe Leu Leu Pro Ser Ile Cys
239 1 5 10 15
241 Ser Ser Asn Ser Thr Gly Val Leu Glu Ala Ala Asn Asn Ser Leu Val
242 20 25 30
244 Val Thr Thr Thr Lys Pro Ser Ile Thr Thr Pro Asn Thr Glu Ser Leu
245 35 40 45
247 Gln Lys Asn Val Val Thr Pro Thr Thr Gly Thr Thr Pro Lys Gly Thr
248 50 55 60
250 Ile Thr Asn Glu Leu Leu Lys Met Ser Leu Met Ser Thr Ala Thr Phe
251 65 70 75 80
253 Leu Thr Ser Lys Asp Glu Gly Leu Lys Ala Thr Thr Thr Asp Val Arg
254 85 90 95
256 Lys Asn Asp Ser Ile Ile Ser Asn Val Thr Val Thr Ser Val Thr Leu
257 100 105 110
259 Pro Asn Ala Val Ser Thr Leu Gln Ser Ser Lys Pro Lys Thr Glu Thr
260 115 120 125
262 Gln Ser Ser Ile Lys Thr Thr Glu Ile Pro Gly Ser Val Leu Gln Pro
263 130 135 140
265 Asp Ala Ser Pro Ser Lys Thr Gly Thr Leu Thr Ser Ile Pro Val Thr
266 145 150 155 160
268 Ile Pro Glu Asn Thr Ser Gln Ser Gln Val Ile Gly Thr Glu Gly Gly
269 165 170 175
271 Lys Asn Ala Ser Thr Ser Ala Thr Ser Arg Ser Tyr Ser Ser Ile Ile
272 180 185 190
274 Leu Pro Val Val Ile Ala Leu Ile Val Ile Thr Leu Ser Val Phe Val
275 195 200 205
277 Leu Val Gly Leu Tyr Arg Met Cys Trp Lys Ala Asp Pro Gly Thr Pro
278 210 215 220
280 Glu Asn Gly Asn Asp Gln Pro Gln Ser Asp Lys Glu Ser Val Lys Leu
281 225 230 235 240
283 Leu Thr Val Lys Thr Ile Ser His Glu Ser Gly Glu His Ser Ala Gln

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284          245          250          255
286 Gly Lys Thr Lys Asn
287          260
290 <210> SEQ ID NO: 7
291 <211> LENGTH: 243
292 <212> TYPE: PRT
293 <213> ORGANISM: Homo sapiens
295 <400> SEQUENCE: 7
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297   1          5          10          15
299 Leu Leu Leu Leu Leu Leu Gln Leu Pro Ala Pro Ser Ser Ala Ser Glu
300          20          25          30
302 Ile Pro Lys Gly Lys Gln Lys Ala Gln Leu Arg Gln Arg Glu Val Val
303          35          40          45
305 Asp Leu Tyr Asn Gly Met Cys Leu Gln Gly Pro Ala Gly Val Pro Gly
306          50          55          60
308 Arg Asp Gly Ser Pro Gly Ala Asn Gly Ile Pro Gly Thr Pro Gly Ile
309   65          70          75          80
311 Pro Gly Arg Asp Gly Phe Lys Gly Glu Lys Gly Glu Cys Leu Arg Glu
312          85          90          95
314 Ser Phe Glu Glu Ser Trp Thr Pro Asn Tyr Lys Gln Cys Ser Trp Ser
315          100         105         110
317 Ser Leu Asn Tyr Gly Ile Asp Leu Gly Lys Ile Ala Glu Cys Thr Phe
318          115         120         125
320 Thr Lys Met Arg Ser Asn Ser Ala Leu Arg Val Leu Phe Ser Gly Ser
321          130         135         140
323 Leu Arg Leu Lys Cys Arg Asn Ala Cys Cys Gln Arg Trp Tyr Phe Thr
324   145         150         155         160
326 Phe Asn Gly Ala Glu Cys Ser Gly Pro Leu Pro Ile Glu Ala Ile Ile
327          165         170         175
329 Tyr Leu Asp Gln Gly Ser Pro Glu Met Asn Ser Thr Ile Asn Ile His
330          180         185         190
332 Arg Thr Ser Ser Val Glu Gly Leu Cys Glu Gly Ile Gly Ala Gly Leu
333          195         200         205
335 Val Asp Val Ala Ile Trp Val Gly Thr Cys Ser Asp Tyr Pro Lys Gly
336          210         215         220
338 Asp Ala Ser Thr Gly Trp Asn Ser Val Ser Arg Ile Ile Ile Glu Glu
339   225         230         235         240
341 Leu Pro Lys
345 <210> SEQ ID NO: 8
346 <211> LENGTH: 149
347 <212> TYPE: PRT
348 <213> ORGANISM: Homo sapiens
350 <400> SEQUENCE: 8
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352   1          5          10          15
354 Leu Cys Ser Val Asp Asn His Gly Leu Arg Arg Cys Leu Ile Ser Thr
355          20          25          30
357 Asp Met His His Ile Glu Glu Ser Phe Gln Glu Ile Lys Arg Ala Ile

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**VERIFICATION SUMMARY**

PATENT APPLICATION: US/09/979,546A

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